

<b>LIST OF REFERENCES CITED BY APPLICANT</b> <b>Form PTO-1449</b> <i>(Use several sheets if necessary)</i>	ATTY. DOCKET NO.:	APPLICATION NO.:
	81938-4299	10/772,243
	APPLICANT:	
	John G. CARMAN	
Sheet 1 of 5	FILING DATE:	GROUP:
	Concurrently herewith	1638

U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL	CITE NO.	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
KOR	A1	5,710,637	01/1998	Kindiger et al.	800	200	
KOR	A2	5,767,374	06/1998	De Greef et al.	800	205	
KOR	A3	5,811,636	09/1998	Hanna et al.	800	200	

FOREIGN PATENT DOCUMENTS								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
KOR	B1	WO 98/28431	07/1998	WIPO	C12N			
	B2							

OTHER REFERENCES <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>		
KOR	C1	Asker and Jerling, Apomixis in Plants, p. 114. 1992.
KOR	C2	Asker and Jerling, Apomixis in Plants, p. 81-107, 241-283. 1992.
KOR	C3	Asker, S.E. et al., "Apomixis in Plants," CRC Press, Inc., Boca Raton, Florida, 1992
KOR	C4	Barcaccia et al. Comparison between isozyme and RAPD analyses to screen aberrant plants in <i>Poa pratensis</i> L. progenies, in Apomixis Newsletter, 7:29-30. 1994.
KOR	C5	Barcaccia et al., Environmental Influences on the Frequency and Viability of Meiotic and Apomeiotic Cells of a Diploid Mutant of Alfalfa. Crop Science. Vol. 37, pp. 70-76. 1997.
KOR	C6	Bashaw et al., Apomictic grasses. In: Principles of Cultivar Development Vol. 2, Fehr (ed.), Macmillan Publishing Company, New York, pp. 40-82. 1987
	C7	Bashaw et al., Hybridization (N + N and 2N + N) of Facultative Apomictic Species in the Pennisetum Agamic Complex. Int. J. Plant Sci. Vol 153(3), pp. 466-470. 1992.
KOR	C8	Bashaw, Apomixis and its Application in Crop Improvement. Hybridization of Crop Plants, Fehr et al. (eds.), American Society of Agronomy and Crop Science Society of America, Madison, pp. 45-63. 1980.
KOR	C9	Bates et al., 1974, Wide Crosses. In: Proceedings of World-wide maize improvement in the 70's and the role of CIMMT, April 22-26 El Batan, Mexico. 7 pp. CIMMT.
KOR	C10	Battaglia, R., 1989. The Evolution of the Female Gametophyte of Angiosperms: an Interpretive Key, Annali di Botanica 47:7-144.
KOR	C11	Baum et al. Wide Crosses in Cereals. Annu. Rev. Plant Physiol. Plant Mol. Biol., 43:117-43. 1992.
KOR	C12	Bayer, R.J., Evolution of Polyploid Agamic Complexes with Examples from <i>Antennaria</i> (Asteraceae), Opera Botanica 132:53-65 (1996).
KOR	C13	Bell, P.R, Apospory and Apogamy: Implication for Understanding the Plant Life Cycle, International Journal of Plant Sciences 153: S123-S136 (1992).
KOR	C14	Bennett, S.T. et al., Spatial Separation of Ancestral Genomes in the Wild Grass <i>Milium montianum</i> Parl., Annals of Botany 70:111-118 (1992)

EXAMINER	Keita O. Robinson	DATE CONSIDERED	May 20, 2005
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OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)		
KOR	C15	Carman JG, The evolution of gametophytic apomixis, In Batygina (ed) Embryology of Flowering Plants, Vol. 3, The Systems of Reproduction, Russian Acad Sci, St. Petersburg. 230-236. 2000.
KOR	C16	Carman JG. Asynchronous expression of duplicate genes in angiosperms may cause apomixis, bispory, tetraspory, and polyembryony. Biol J. Linnean Soc 61: 51-94. 1997.
KOR	C17	Carman, Evolution of Apomixis in <i>Antennaria</i> (Asteraceae): A Model Involving Hybrid Origins and Karyotypic Stabilization, presented at Plant & Animal Genome XI, The International Conference on the Status of Plant & Animal Genome Research. Town & Country Hotel, San Diego, California. January 11-15, 2003.
KOR	C18	Carman, J.G., Aposporous Apomixis in <i>Schizachyrium</i> (Poaceae:Andropogoneae), Crop Science 2:1252-1255 (1982)
KOR	C19	Carman, J.G., Comparative Histology of Cell Walls During Meiotic and Apomeiotic Megasporogeny in Two Hexaploid Australian <i>Elymus</i> species, Crop Science 31:1526-1532 (1991).
KOR	C20	Carman, J.G., Gametophytic Angiosperm Apomicts and the Occurrence of Polyspory and Polyembryony Among Their Relatives, Apomixis Newsletter 8:39-53 (1995)
KOR	C21	Carman, J.G., Phylogeny of Apomictic, Polysporic and Polyembryonic Angiosperms: Evolutionary and Regulatory Implications, Abstract of a paper presented at the international conference, Harnessing Apomixis, September 25-27, College Station, Texas (1995)
KOR	C22	Crane, C.F. et al., Mechanism of Apomixis in <i>Elymus rectisetus</i> from Eastern Australia and New Zealand, <i>American Journal of Botany</i> , Vol. 74, pp.477-496. 1987
KOR	C23	de Wet et al. 1970. Stable triploid hybrids among <i>Zea-Tripsacum-Zea</i> backcross populations. <i>Caryologia</i> 23:183-187.
KOR	C24	De Wet, J.M.J. et al., Gametophytic Apomixis and Evolution in Plants, <i>Taxon</i> 23:689-697 (1974)
KOR	C25	Ellerstrom et al., 1977. Sterility and apomictic embryo-sac formation in <i>Raphanobrassica</i> . <i>Hereditas</i> 87:107-120.
KOR	C26	Ellerstrom et al., 1983. Apomictic progeny from <i>Raphanobrassica</i> . <i>Hereditas</i> 99:315.
KOR	C27	Eshed et al., 1996. Less-than-epistatic interactions of quantitative trait loci in tomato. <i>Genetics</i> 143:1807-1817.
KOR	C28	Evans et al. Environmental Control of Reproduction in <i>Themeda Australis</i> , <i>Aust. J. Bot.</i> , 17:375-89. 1969.
KOR	C29	Garcia et al., 2000. Genetic variation in the progeny of maize/ <i>Tripsacum</i> hybrids. <i>Maize Genet. Coop. Newsletter</i> 74:40-41.
KOR	C30	Grimanelli et al, Mapping diplosporous apomixis in tetraploid <i>Tripsacum</i> : one gene or several genes, <i>Heredity</i> 80:33-39. 1998.
	C31	Gustafsson A. Apomixis in higher plants. III. Biotype and species formation. <i>Lunds Universitets Årsskrift</i> 43: 181-370. 1947.
KOR	C32	Hanna et al., Apomixis: Its identification and use in plant breeding. <i>Crop Science</i> . Vol. 27, pp. 1136-1139. 1987
KOR	C33	Holm et al. 1996. Sexuality and no apomixis found in crossing experiments with diploid <i>Potentilla argentea</i> . <i>Hereditas</i> 125:77-82.
KOR	C34	Hovin et al., Apomixis in Kentucky bluegrass. <i>Crop Science</i> . Vol. 16, pp. 635-638. 1976
KOR	C35	Hussey et al. Influence of photoperiod on the frequency of sexual embryo sacs in facultative apomictic buffelgrass, <i>Euphytica</i> 54:141-145. 1991.

EXAMINER <i>Keith O. Robinson</i>	DATE CONSIDERED May 20, 2005
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KOR	C36	Jankun, A. et al., Apomixis at the Diplois Level in Sorbus Eximia (Embryological Studies in Sorbus 3), P. Praha 60:193-213 (1988)
KOR	C37	Jefferson and Bicknell, The potential impacts of apomixis: a molecular genetics approach, in <i>The Impact of Plant Molecular Genetics</i> , Birkhauser, Boston, pp. 88-89, 94, 98). 1996.
KOR	C38	Johri, et al., Comparative Embryology of Angiosperms, Vol. 1, pp. 1-4, 29-41, and 84-94, 1992.
	C39	<del>Kandelaki. Remote Hybridization and the Phenomenon of Pseudogamy. Apomixis and Breeding, Khokhlov (ed.), Nauka Publishers, Moscow. 1970.</del>
KOR	C40	Knox, R.B. et al., Experimental Control of Aposporous Apomixis in a Grass of the Andropogoneae, Botanisk Notiser 116:127-141 (1963)
KOR	C41	Knox, R.B., Apomixis: Seasonal and Population Differences in a Grass, Science 157:325-326 (1967)
KOR	C42	Koltunow, A.M. et al., Apomixis: Molecular Strategies for the Generation of Genetically Identical Seeds Without Fertilization, <i>Plant Physiology</i> , Vol. 108, pp. 1345-1352 (1998).
KOR	C43	Kraft et al. 2000. Linkage disequilibrium and fingerprinting in sugarbeet. Theor. Appl. Genet. 101:323-326.
KOR	C44	Kultunow et al. Apomixis: molecular strategies for the generation of genetically identical seeds without fertilization, Plant Physiol 108: 1345-1352. 1995.
KOR	C45	Leblanc et al. Detection of the apomictic mode of reproduction in maize-Tripsacum hybrids using maize RFLP markers, Theor Appl Genet 90: 1198-1203. 1995.
KOR	C46	Leblanc, O. et al., Megasporogenesis and Megagametogenesis in Several Tripsacum species (Poaceae), American Journal of Botany 82:57-63 (1995)
KOR	C47	Leblanc, O. et al., Timing of Megasporogenesis in Tripsacum species (Poaceae) as Related to the Control of Apomixis and Sexuality, Polish Botanical Studies *:75-81 (1994)
KOR	C48	Liu et al. Hybrids and backcross progenies between wheat ( <i>Triticum aestivum</i> L.) And apomictic Australian wheatgrass [ <i>Elymus rectisetus</i> (Nees in Lehm.) A. Löve & Connor]: karyotypic and genomic analyses, Theor Appl Genet, 89:599-605. 1994.
KOR	C49	Marshall, D.R., et al., The Evolution of Apomixis, Heredity 47:1-15 (1981)
KOR	C50	Mogie, M. A Model for the Evolution and Control of Generative Apomixis, Biological Journal of the Linnean Society 35:127-153 (1988)
KOR	C51	Mogie, The Evolution of Asexual Reproduction in Plants, 139-196. 1992.
KOR	C52	Mujeeb-Kazi, A., Apomictic Progeny Derived from Intergeneric Hordium-Triticum Hybrids, The Journal of Heredity:72-284-285 (1981)
KOR	C53	Mujeeb-Kazi, A., Apomixis in Trigeneric Hybrids of Triticum aestivum/Leymus racemosa/Thinopyrum elongatum, Cytologia 61:15-18 (1996)
KOR	C54	Naumova et al., Apomixis in plants: structural and functional aspects of diplospory in Poa Nemoralis and P. palustris, Protoplasma 208:186-195, 1995.
KOR	C55	Naumova, T.N. et al., Quantitative Analysis of Aposporous Parthenogenesis in Poa pratensis Genotypes, Acta Botanica Neerlandica 42:299-312 (1993)
KOR	C56	Naumova, T.N. et al., Ultrastructural Characteristics of Apospory in Panicum maximum, Sexual Plant Reproduction 8:197-204 (1995)
KOR	C57	Nogler, G.A., Genetics of Gametophytic Apomixis - A Historial Sketch, Polish Botanical Studies 8:5-11 (1994)

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KOR	C58	Nordborg, B., Embryological Studies in the Sanguisorba Minor Complex (Rosaceae), Botaniska Notiser 120:109-119 (1967)
KOR	C59	Ozias-Akins, P., et al., Transmissions of the Apomictic Mode of Reproduction in Pennisetum: Co-Inheritance of the Trait and Molecular Markers, Theoretical and Applied Genetics 85:632-638 (1993)
KOR	C60	Ozias-Akins et al. Tight clustering and hemizygosity of apomixis-linked molecular markers in <i>Pennisetum squamulatum</i> implies genetic control of apospory by a divergent locus that may have no allelic form in sexual genotypes, Proc Natl Acad Sci 95: 5127-5132. 1998
KOR	C61	Ozias-Akins, Characterization of the Genomic Region Associated with the Transmission of Apomixis in <i>Pennisetum</i> and <i>Cenchrus</i> , presented at Plant & Animal Genome XI, The International Conference on the Status of Plant & Animal Genome Research. Town & Country Hotel, San Diego, California. January 11-15, 2003.
KOR	C62	Peacock, J., Genetic Engineering and Mutagenesis for Apomixis in Rice, In. Wilson KJ, ed., Proceedings of the International Workshop of Apomixis in Rice, Changsha, China. New York: Rockefeller Foundation 11-22 (1993)
KOR	C63	Peel, M.D. et al., Megaspore Callose in Apomictic Buffelgrass, Kentucky Bluegrass, <i>Pennisetum squamulatum</i> Fresen, <i>Tripsacum L.</i> , and Weeping Lovegrass, Crop Science, Vol. 37, No. 3 1997
KOR	C64	Peel, M.D. et al., Meiotic Anomalies in Hybrids Between Wheat and Apomictic <i>Elymus rectisetus</i> (Nees in Lehm.) A. Love & Connor, Crop Sci. 37:717-723 (1997)
KOR	C65	Poehlman, Breeding Field Crops, 3 <sup>rd</sup> Ed., pp. 164-165, 332-339. 1987.
KOR	C66	Purnhauser et al., 1993. A method for crossing non-synchronously flowering parents in wheat, using cold storage of the female parent. Cereal Res. Comm. 21(2-3):175-179
KOR	C67	Quarin, Seasonal changes in the incidence of apomixis of iploid, triploid, and tetraploid plants of <i>Paspalum cromeorrhizon</i> . Euphytica. Vol. 35, pp. 515-522. (Abstract only) 1986
KOR	C68	Ramula et al. Apomixis for crop improvement, Protoplasma 208: 196-205 (see Abstract and Conclusions). 1999.
KOR	C69	Ramulu et al., Apomixis for crop improvement. Protoplasma. Vol. 208, pp. 196-205. 1999.
KOR	C70	Salisbury et al. Plant Physiology, 4 <sup>th</sup> Ed., pp. 504-514. 1992.
KOR	C71	Saran et al. 1976. Environmental control of reproduction in <i>Dichanthium intermedium</i> . J. Cytol. Genet. 11:22-28.
KOR	C72	Sharbel et al. Genome-Wide Genetic Variability and DNA Sequence Divergence along an Aneuploid Chromosome Associated with Apomixis in the <i>Arabidopsis holboellii</i> Complex, presented at Plant & Animal Genome XI, The International Conference on the Status of Plant & Animal Genome Research. Town & Country Hotel, San Diego, California. January 11-15, 2003.
KOR	C73	Sherman, R.A. et al., Apomixis in Diploid X Triploid <i>Tripsacum dactyloides</i> hybrids, Genome 34:528-532 (1991)
KOR	C74	Sherwood et al. Inheritance of apospory in buffelgrass, Crop Sci 34:1490-1494. 1994.
	C75	Sherwood. Genetic analysis of apomixis, in Savidan et al. ed., The Flowering of Apomixis: From Mechanisms to Genetic Engineering, D.F.:CIMMYT,IRD,EC DG VI, FAIR, 2001.
KOR	C76	That, New developments in hybrid rice. International Rice Commission Newsletter. Vol. 42, pp. 28-34. (Abstract only) 1993
KOR	C77	Torabinejad et al. Morphology and genome analyses of interspecific hybrids of <i>Elymus scabrus</i> , Genome, 29:150-155. 1987.

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<del>—</del>	C78	<del>Tsvetova, M. I. et al., "Intensification of Tendency to Apomixis in Sorghum Autotetraploids," Intern. Sorghum and Millet Newsletter, Vol. 39, pp. 66-67 (1998).</del>
KOR	C79	Vielle Calzada, J-P et al., Apomixis: the Asexual Revolution, Science 274:1322-1323 (1996)
KOR	C80	von Bothmer R. et al., Complex Interspecific Hybridization in Barley ( <i>Hordium vulgare</i> L and the Possible Occurrence of Apomixis. Theoretical and Applied Genetics, 76:681-690 (1988).
<del>—</del>	C81	<del>Williamson, The Influence of Light Regimes During Floral Development on Apomictic Seed Production and on Variability in Resulting Seedling Progenies of <i>Poa Ampla</i> and <i>P. Pratensis</i>. New Phytol. Vol. 87, pp. 769-783. 1981.</del>
KOR	C82	Zenkter. <i>In Vitro</i> Fertilization and Wide Hybridization in Higher Plants, Critical Reviews in Plant Sciences, 9: 267-279. 1990.

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